

CERAMAH TEKNIK TECHNICAL TALK

Finite Element Modelling for Underground Nuclear Waste Repository

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The talk on “Finite Element Modelling for Underground Nuclear Waste Repository” was presented by Ir. Dr Tey Chun Yean (Gamuda) on 25th June, 2014, at the Dept. of Geology, Univ. Malaya, K.L.

The materials for the talk form part of Dr. Tey’s Ph.D. thesis at Cardiff Univ., Wales. The research looked at the behavior of various media (lining materials and bedrock) forming the nuclear waste repository, specifically the thermal and hydraulic behavior of the media. Experimental measurements, numerical modelling and field validations were conducted. It would appear that the field data correlated well with the predicted behavior from the Finite Element modelling.

As usual, there were lively discussions after the presentation.

Tan Boon Kong,

Chairman, W/G on Engineering Geology, Hydrogeology & Environmental Geology